

In This Issue: January 2025

Research

ORIGINAL INVESTIGATION

7 Performance of Polygenic Risk Scores for Primary Open-Angle Glaucoma in Populations of African Descent

JM Chang-Wolf and Coauthors

for the Genetics in Glaucoma Patients of African Descent (GIGA) Study Group; for the Genetics of Glaucoma in People of African Descent (GGLAD) Study Group; for the Million Veteran Program (MVP)

This cross-sectional study investigates how published polygenic risk scores for primary open-angle glaucoma (POAG) perform in groups with African ancestry compared with European ancestry.

Invited Commentary 23

15 Predictive Power of Polygenic Risk Scores for Intraocular Pressure or Vertical Cup-Disc Ratio

W He and Coauthors

This genetic association study assesses the predictive value of polygenic risk scores for intraocular pressure and vertical cup-disc ratio.

Invited Commentary 23

25 Long-Term Blood Pressure Variability and Visual Field Progression in Glaucoma

VQ Pham and Coauthors

This cohort study assesses the association between variability in blood pressure and visual field progression in patients with suspected or confirmed glaucoma.

33 Primary Visual Pathway Changes in Individuals With Chronic Mild Traumatic Brain Injury

MA Rasdall and Coauthors

This case-control study investigates if mild traumatic brain injury (TBI)-associated dysfunction can be diagnosed with a battery of assessments across the visual pathway.

Invited Commentary 43

45 Macular Capillary Nonperfusion in Eyes With Stable Laser-Treated Proliferative Diabetic Retinopathy

S Thottarath and Coauthors

This cohort study examines data for 63 patients over 12 months to assess how visual function and optical coherence tomography angiography changed in pan-retinal photocoagulation-treated stable eyes.

53 In-Office Suprachoroidal Viscopepy for Acute Rhegmatogenous Retinal Detachment

RH Muni and Coauthors

This case series study of 6 patients treated at a single center in Canada reports outcomes with in-office suprachoroidal viscopepy for primary acute rhegmatogenous retinal detachment.

Invited Commentary 60

Video

62 Empagliflozin and the Risk of Retinopathy in Patients With Type 2 Diabetes

H Tesfaye and Coauthors

This cohort study evaluates risk and progression of nonproliferative diabetic retinopathy in patients with type 2 diabetes with empagliflozin vs a dipeptidyl peptidase 4 inhibitor.

Invited Commentary 71

BRIEF REPORT

73 Discrimination Within the US Ophthalmology Workforce

S Sirivolu and Coauthors

This cross-sectional study describes the frequency, nature, and outcomes of discrimination in the workplace experienced by US ophthalmologists and trainees.

Audio

Opinion

VIEWPOINT

5 Implications of Diagnostic Error in Ocular Surface Disease: The Role of Anchoring and Ambiguous Diagnostic Terminology

TP Margolis, A Galor, and GD Novack

INVITED COMMENTARY

23 The Emerging Clinical Utility of Polygenic Prediction Models

AP Khawaja, PG Hysi, and PJ Foster

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43 Visual Deficits in Patients With Mild Traumatic Brain Injury

MK Nowak, FC Fortenbaugh, and DH Salat

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60 Novel In-Office Procedure for Retinal Detachment

JS Heng and YM Paulus

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AUDIO

Discrimination Within the US Ophthalmology Workforce

CME

CME online at
jamacmelookup.com

CME Disclosure Statement: Unless noted, all individuals in control of content reported no relevant financial relationships. If applicable, all relevant financial relationships have been mitigated.

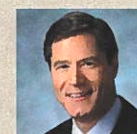
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Neil M. Bressler, MD



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JE Shaw and AJ Jenkins

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Clinical Review & Education

JAMA OPHTHALMOLOGY CLINICAL CHALLENGE

78 Viral Meningoencephalitis and Bilateral Blurry Vision

Y Guan, X Ma, and P Yang

A 20-year-old Chinese woman was experiencing fever, malaise, headache, nausea, vomiting, and neck stiffness for 2 weeks. Further examination revealed inflammation, vitritis and cystoid macular edema, tortuous dilatation of retinal venous vessels with fluorescence leakage, and hyperfluorescence in the optic disc. What would you do next?

➤ CME

80 Looking Beyond and Behind a Retinal Detachment

SP Majidi, AA Campbell, and B Burkholder

A 63-year-old woman with a history of type 1 diabetes presents with gradually progressive vision loss in the right eye for the past year. What would you do next?

➤ CME

OPHTHALMIC IMAGES

➤ Bilateral Mumps-Associated Retinitis in an Unvaccinated Male

R Sriram, P Mahendradas, and R Shetty

This case report discusses a diagnosis of bilateral mumps-associated retinitis in a young male aged 16 years who had not received the mumps vaccine.

➤ CME

➤ Optic Nerve Melanocytoma With Vitreous Seeding

BR Coleman, SR Dubovy, and BK Williams Jr

This case report discusses a diagnosis of optic nerve melanocytoma in a woman aged 55 years who presented with progressive painless vision loss over a 7-month period.

➤ CME

➤ Retinal Vasculitis Associated With Castleman Disease

Y Qian and M Zhang

This case report describes a diagnosis of retinal vasculitis associated with Castleman disease in a man who presented with 6 months of progressive floaters bilaterally and no change in visual acuity.

➤ CME

Letters

OBSERVATION

82 Negative Treponemal Serologies in Syphilitic Panuveitis

L Thangamathesvaran and Coauthors

This case report describes an HIV-positive patient with bilateral syphilitic panuveitis, for whom diagnosis was initially delayed by negative treponemal testing.

83 *Strongyloides stercoralis* Choroiditis

M Corda, J Shepherd, and AD Proia

This case report describes a patient whose autopsy revealed that the posterior choroid of the right eye had a focal eosinophil-rich inflammatory infiltrate with a cross-section of a possible degenerating *Strongyloides stercoralis* larva and a coiled, incompletely sectioned, filariform larva in a medium-caliber choroidal artery.

➤ Available online

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